

Appln. Serial No. 10/606,998
Amendment Dated December 21, 2007
Reply to Office Action Mailed September 21, 2007

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AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1 1. (Currently Amended) A method for use in a mobile communications network,
2 comprising:
3 receiving a request from a base station controller ~~wireless network~~ to terminate a
4 communications session with a mobile station;
5 in response to receiving the request to terminate, checking an indicator to
6 determine whether the communications session is to be maintained for the mobile station;
7 and
8 in response to determining that the communications session is to be maintained
9 for the mobile station, generating a message to deny the request to terminate the
10 communications session.
2. (Cancelled)
- 1 3. (Currently Amended) The method of claim 1 ~~[[2]]~~, wherein receiving the message
2 comprises receiving the message by a packet data serving node (PDSN).
- 1 4. (Currently Amended) The method of claim 3, further comprising sending the
2 message to deny the request from the PDSN to the base station controller ~~wireless~~
3 ~~network~~.
- 1 5. (Original) The method of claim 1, further comprising determining whether the
2 mobile station is an always-on mobile station.
- 1 6. (Original) The method of claim 5, further comprising determining whether the
2 mobile station is a code-division multiple access (CDMA) always-on mobile station.

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1 7. (Currently Amended) The method of claim 1, wherein generating the message to
2 deny the request comprises generating a NACK message, the method further comprising
3 sending the NACK message to the base station controller to deny the request to terminate
4 the communications session.

1 8. (Original) The method of claim 7, wherein receiving the request to terminate
2 comprises receiving an A11 Registration Request with a Lifetime parameter set to zero.

1 9. (Original) The method of claim 8, wherein generating the NACK message
2 comprises generating an A11 Registration-Reply message with a no-acknowledge
3 indicator.

1 10. (Original) The method of claim 1, further comprising counting a number of
2 attempts made to reach the mobile station, wherein determining that the communications
3 session is to be maintained for the mobile station is in response to detecting that less than
4 a predetermined number of attempts have been made.

1 11. (Original) The method of claim 10, further comprising sending an echo message
2 to the mobile station in each attempt to reach the mobile station.

1 12. (Original) The method of claim 10, further comprising:
2 starting an inactivity timer; and
3 in response to expiration of the inactivity timer, sending an echo message to a
4 mobile station.

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1 13. (Currently Amended) An article comprising at least one storage medium
2 containing instructions that when executed cause a node system to:
3 receive, from a wireless network, a request to terminate a communications session
4 with a mobile station;
5 in response to receiving the request to terminate, checking an indicator to
6 determine whether the communications session is to be maintained for the mobile station;
7 and
8 in response to determining that the communications session is to be maintained
9 for the mobile station, generating a message to deny the request to terminate the
10 communications session.

1 14. (Currently Amended) The article of claim 13, wherein receiving the message
2 comprises receiving the message from a base station controller in the wireless network.

1 15. (Currently Amended) The article of claim 14, wherein the node system comprises
2 a packet data serving node (PDSN).

1 16. (Currently Amended) The article of claim 14, wherein the instructions when
2 executed cause the node system to determine whether the mobile station is an always-on
3 mobile station.

1 17. (Currently Amended) The article of claim 16, wherein the instructions when
2 executed cause the node system to exchange messaging with an Authentication,
3 Authorization, and Accounting server to determine whether the mobile station is an
4 always-on mobile station.

1 18. (Currently Amended) The article of claim 12, wherein generating the message to
2 deny the request comprises generating a NACK message, the instructions when executed
3 causing the node to further send the NACK message to the wireless network to deny the
4 request to terminate.

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1 19. (Original) The article of claim 18, wherein receiving the request to terminate
2 comprises receiving an A11 Registration Request with a Lifetime parameter set to zero.

1 20. (Currently Amended) The article of claim 12, wherein the instructions when
2 executed cause the node system to count a number of attempts made to reach the mobile
3 station, wherein determining that the communications session is to be maintained for the
4 mobile station is in response to detecting that less than a predetermined number of
5 attempts have been made.

1 21. (Currently Amended) The article of claim 20, wherein the instructions when
2 executed cause the node system to send an echo message to the mobile station in each
3 attempt to reach the mobile station.

1 22. (Currently Amended) A node system comprising:
2 an interface to receive, from a wireless network, a request to terminate a
3 communications session with a mobile station; and
4 in response to the request, a controller to check an indicator to determine whether
5 the communications session is to be maintained for the mobile station, and in response to
6 determining that the communications session is to be maintained for the mobile station,
7 generate send a message to the wireless network to deny the request to terminate the
8 communications session.

1 23. (Currently Amended) The node system of claim 22, wherein the controller is
2 adapted to determine whether the mobile station is an always-on mobile station.

1 24. (Currently Amended) The node system of claim 22, comprising a packet data
2 node.

1 25. (Currently Amended) The node system of claim 22, comprising a CDMA packet
2 data serving node.

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- 1 26. (Currently Amended) The node ~~system~~ of claim 22, wherein the message is an
- 2 A11 Registration-Reply message with a no-acknowledge indication.